

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 03/01214

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07D 333/34, A61K 31/381, A61P 29/00  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07D, A61K, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## CHEM ABS DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0373836 A1 (ELI LILLY AND COMPANY), 20 June 1990 (20.06.90) --	1-17
A	WO 0162713 A1 (ASTRAZENECA AB), 30 August 2001 (30.08.01) --	1-17
A	WO 0162704 A1 (ASTRAZENECA AB), 30 August 2001 (30.08.01) -----	1-17

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search	Date of mailing of the international search report
22 October 2003	24-10-2003
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer NEBIL GECER/BS Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT  
Information on patent family members

06/09/03

International application No.  
PCT/SE 03/01214

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0373836 A1	20/06/90	SE 0373836 T3		
		AT 102920 T	15/04/94	
		CA 2005173 A	14/06/90	
		DE 68913930 D, T	14/07/94	
		JP 2218661 A	31/08/90	
		US 4902710 A	20/02/90	
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WO 0162713 A1	30/08/01	AU 1043401 A	08/05/01	
		AU 3431301 A	03/09/01	
		CA 2387087 A	03/05/01	
		EP 1242914 A	25/09/02	
		EP 1263714 A	11/12/02	
		GB 0004149 D	00/00/00	
		JP 2003513365 T	08/04/03	
		JP 2003523992 T	12/08/03	
		US 2003105161 A	05/06/03	
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WO 0162704 A1	30/08/01	AU 1043501 A	08/05/01	
		AU 3431501 A	03/09/01	
		BR 0108613 A	12/11/02	
		CA 2387643 A	03/05/01	
		CA 2397234 A	30/08/01	
		CN 1411435 T	16/04/03	
		EP 1229860 A	14/08/02	
		EP 1263711 A	11/12/02	
		GB 0004153 D	00/00/00	
		JP 2003512130 T	02/04/03	
		JP 2003523988 T	12/08/03	
		NO 20024014 A	25/09/02	
		US 2003158185 A	21/08/03	
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### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: **15-16**  
because they relate to subject matter not required to be searched by this Authority, namely:  
**see next sheet**
2.  Claims Nos.: **1-3 and 5-17**  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
**see next sheet**
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

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## Box I.1

Claims 15-16 relate to methods of treatment of the human or animal body by surgery or by therapy/diagnostic methods practised on the human or animal body/Rule. 39.1.(iv)). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds/compositions.

## Box I:2

Present claims 1-3 and 5-17 relate to an extremely large number of possible compounds. Disclosure within the meaning of Articles 5 and 6 PCT is to be found, however, for only a very small proportion of the compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts related to the exemplified compounds and closely related homologous compounds, i.e those compounds of formula (I) wherein U = sulphur and T, W, M = carbon.